

FIG. 1

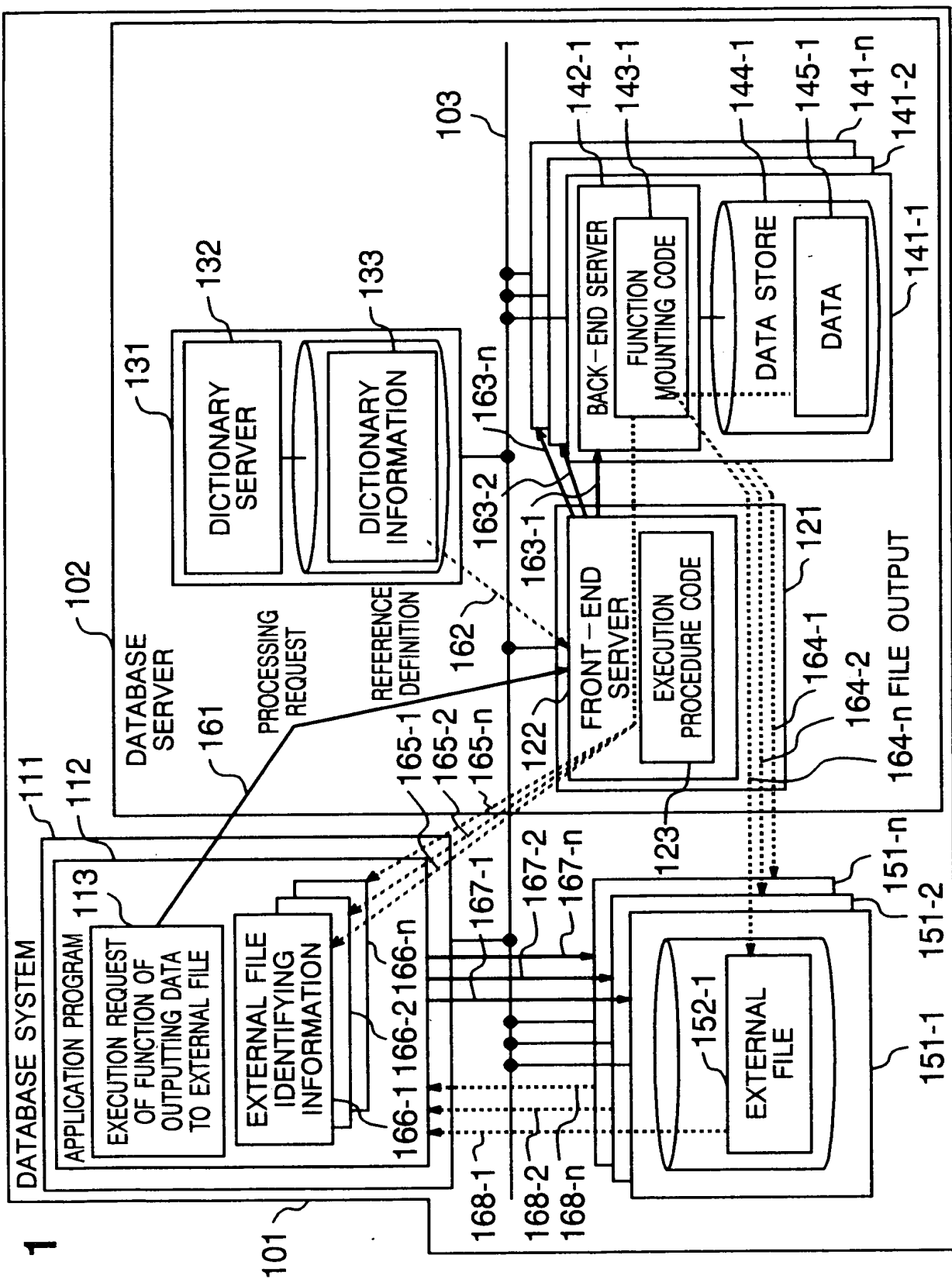


FIG. 2

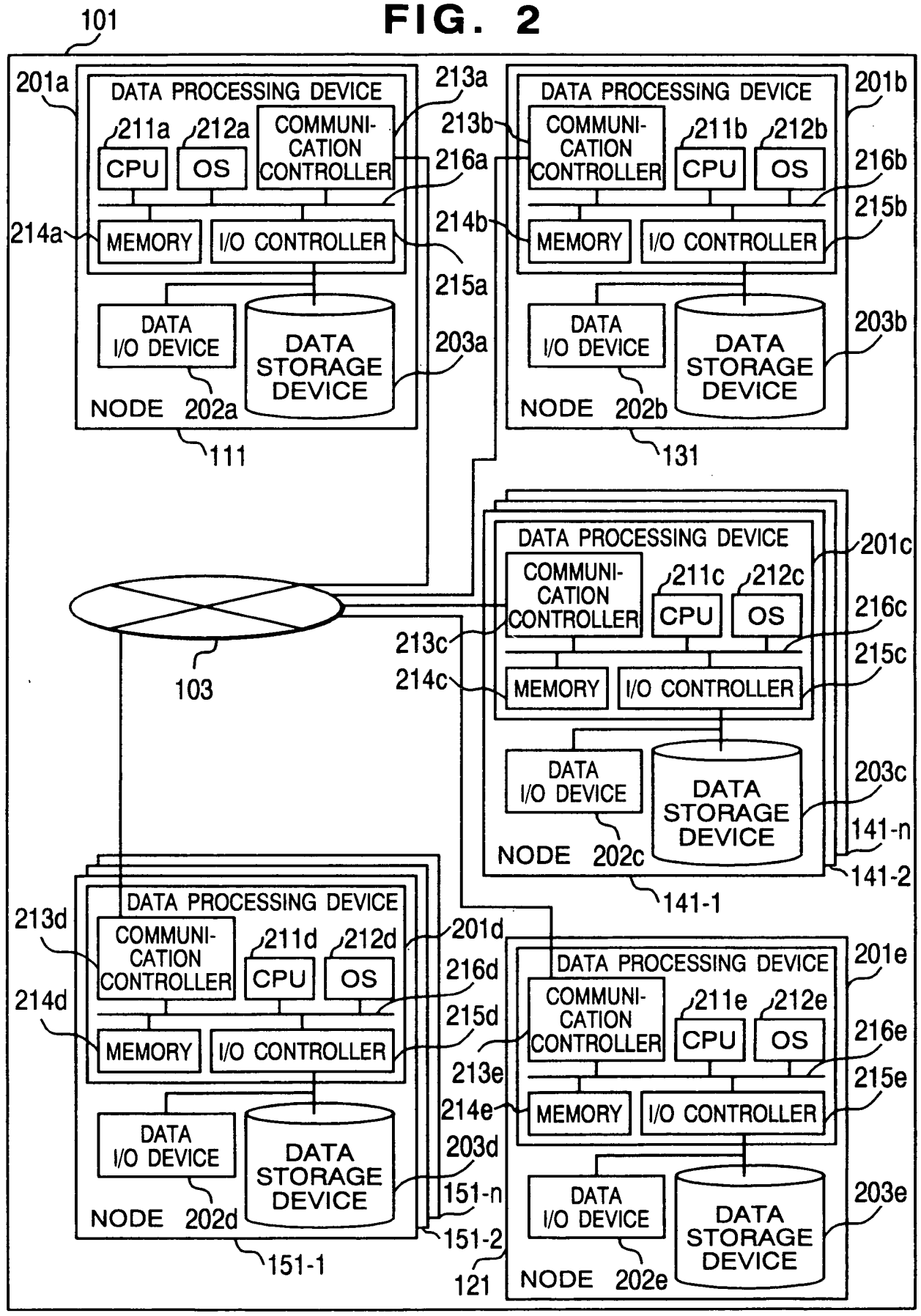
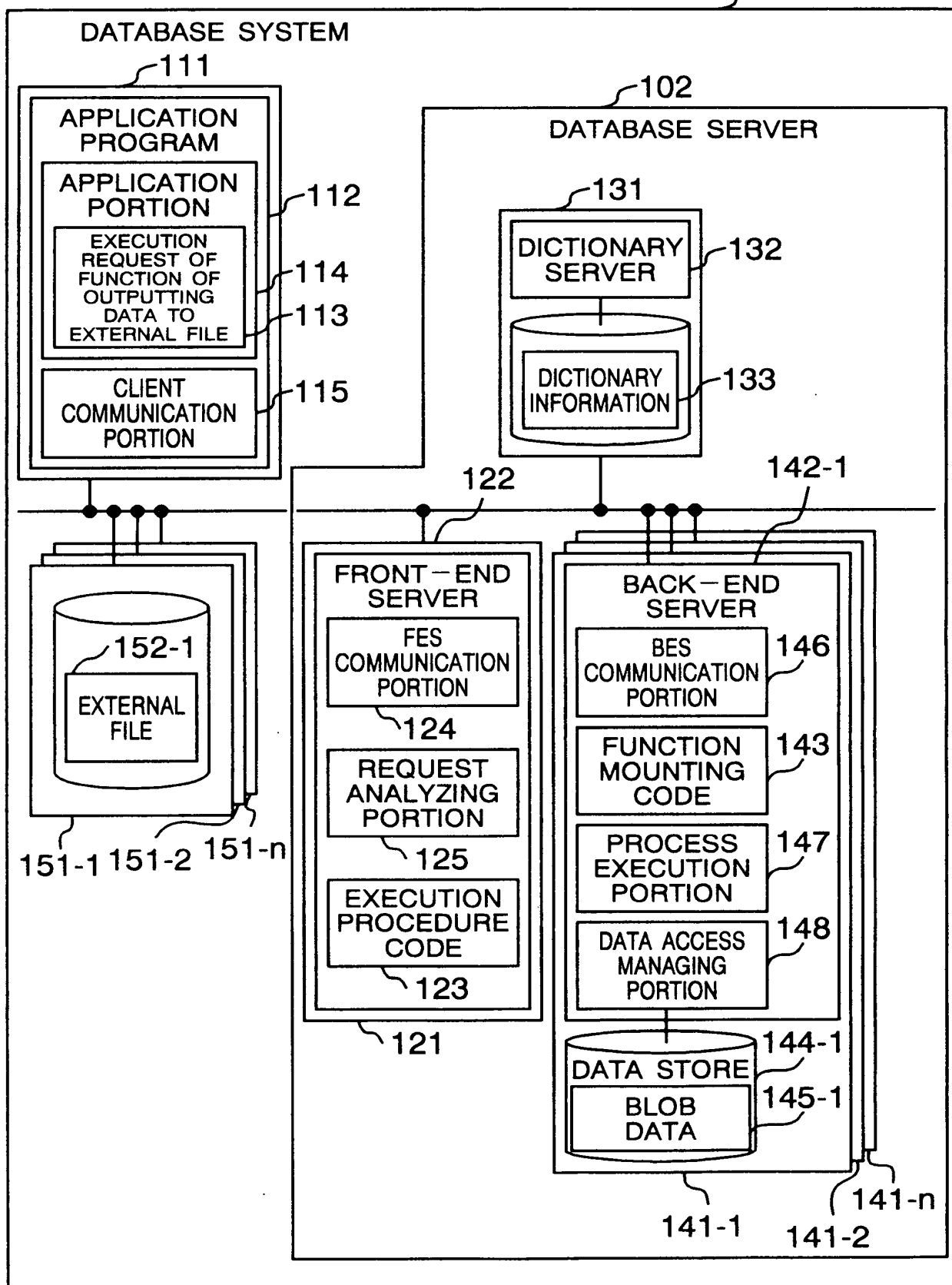


FIG. 3



Approved for Release

FIG. 4

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```

CREATE TABLE employee (
    empno          INTEGER ,
    name           VARCHAR (30) ,
    dept           VARCHAR (30) ,
    photo          BLOB (10M)) ;
  
```

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FIG. 5

501	511	512	513	514	
empno	name	dept	photo		
1789	George	design	(blob1)		521
1797	John	account	(blob2)		522
1801	Thomas	design	(blob3)		523
1809	James	general	(blob4)		524
1829	Andrew	account	(blob5)		525
1837	Martin	planning	(blob6)		526

APPROVED	D.C. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 6

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```
CREATE FUNCTION fileout ( BLOB )
    RETURNS VARCHAR (255)
    EXTERNAL NAME ' bin/fileout '
    LANGUAGE C ;
```

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FIG. 7

FIG. 8

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```

EXEC SQL BEGIN DECLARE SECTION      802
  VARCHAR (255) photoFilename ;     803
  VARCHAR (30) empName ;             804
EXEC SQL END DECLARE SECTION ;      805

EXEC SQL DECLARE curs1 CURSOR FOR    806
  SELECT name, fileout (photo)       807
  FROM employee                       808
  WHERE dept = 'design' ;             809

EXEC SQL OPEN curs1 ;                810

while (1) {                          811
  EXEC SQL FETCH curs1 INTO : empName, photoFilename ; 812
  if (SQLCODE == 100) break ; /* no more data */      813
  setImageDataToList (empName, photoFilename) ;      814
}                                                  815

EXEC SQL CLOSE curs1 ;                816

displayImageDataList ( ) ;            817
  
```

FIG. 9

901	911	912	
	George	dbsvexfile1	921
	Thomas	dbsvexfile2	922

APPROVED	FIG.	
BY	NAME	GLASS
DRAFTSMAN		

FIG. 10

1001

```
<HTML>
  George : <IMG SRC="dbsvexfile1"><BR>
  Thomas : <IMG SRC="dbsvexfile2"><BR>
</HTML>
```

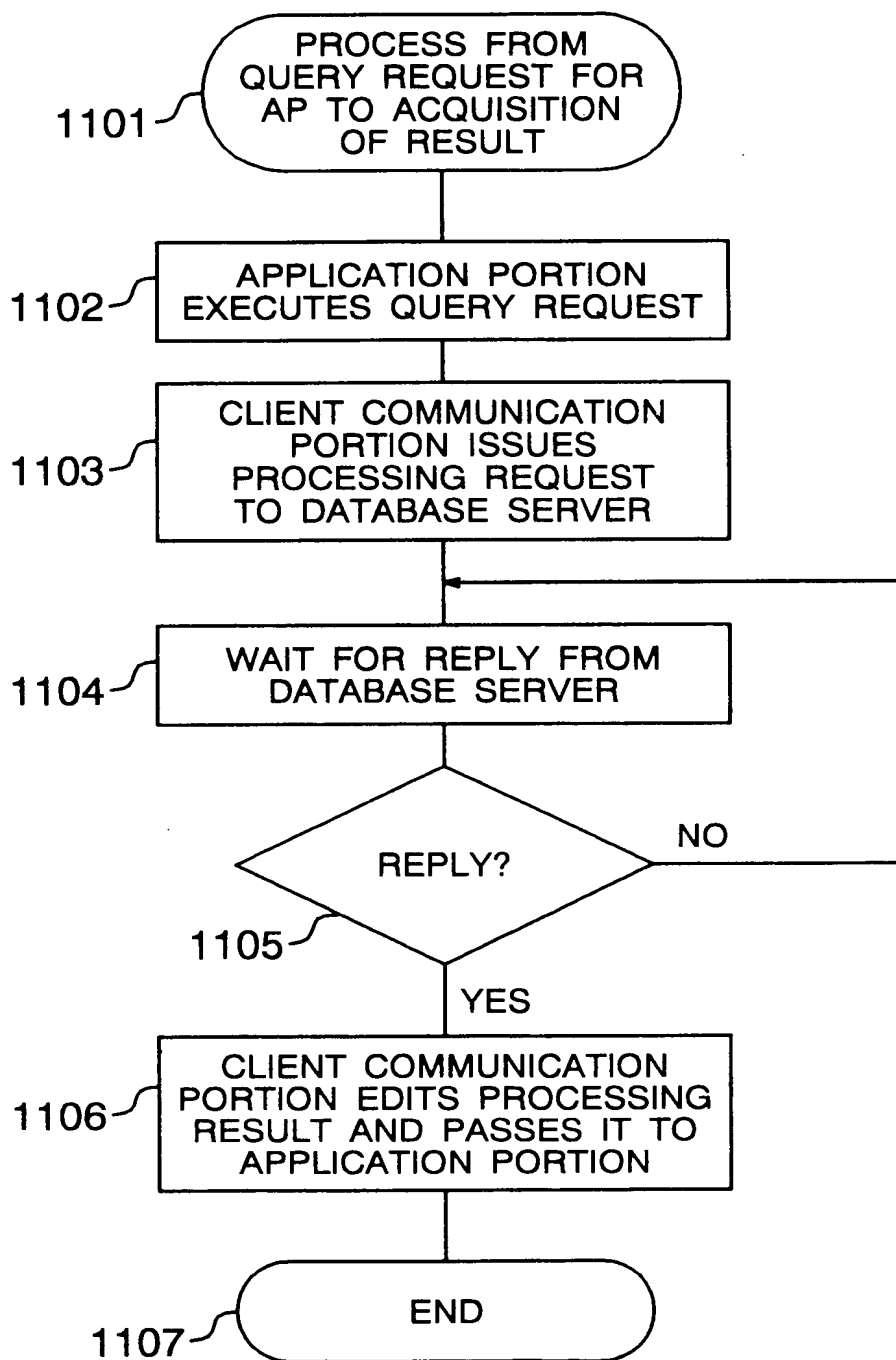
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FIG. 11



continued on next page

FIG. 12

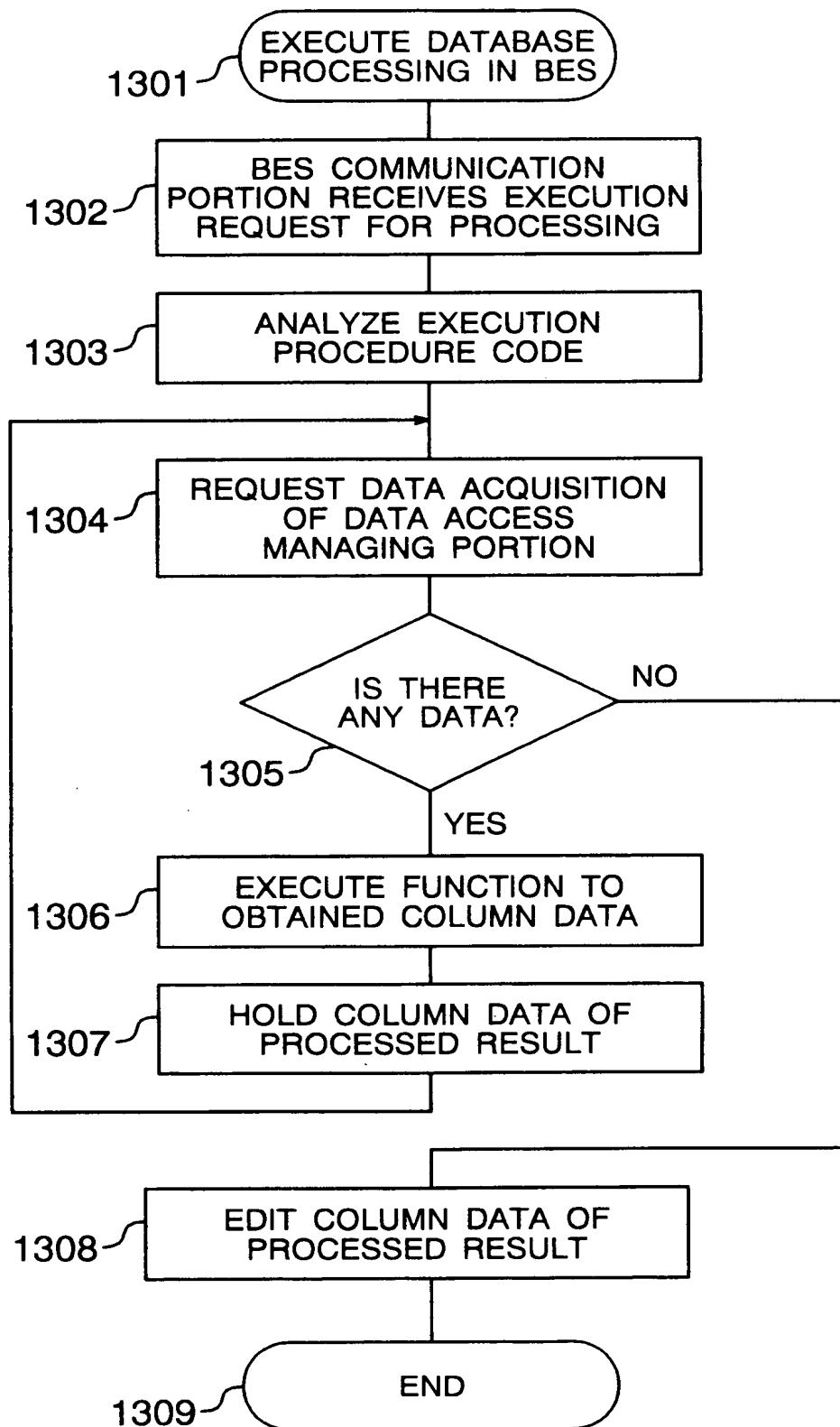


FIG. 14

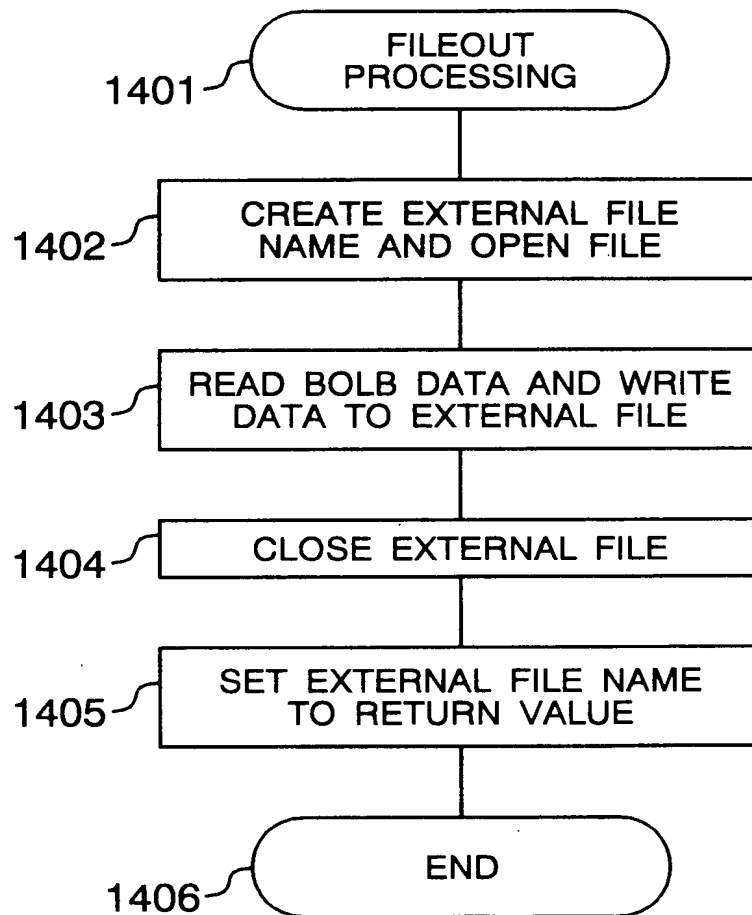


FIG. 15

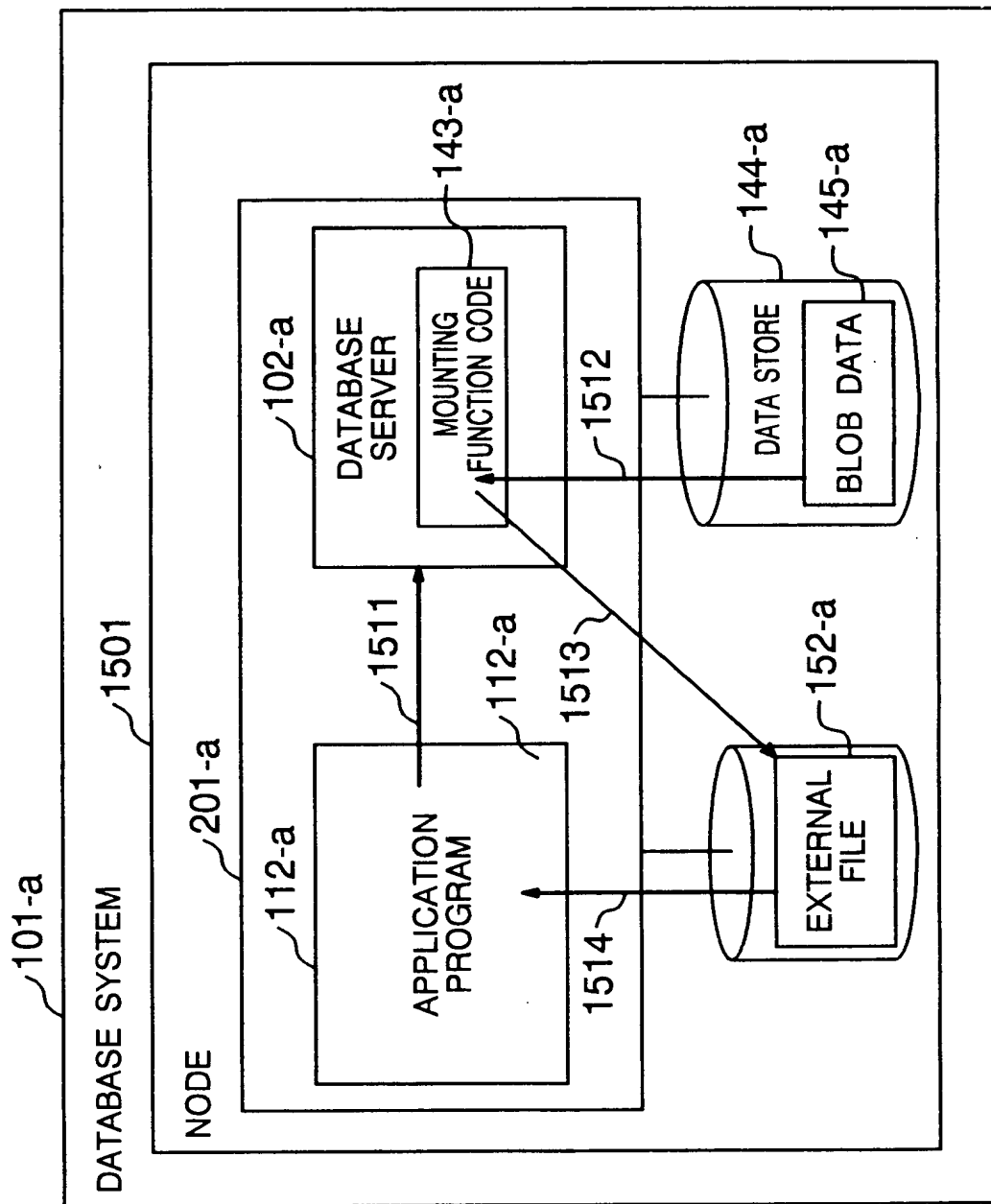


FIG. 16

